The Commonwealth of Massachusetts

STATE COLLEGE AT WORCESTER

1967
Summer Session

Program of Continuing Studies

Tel. 791-1405 or 756-5121

FACULTY

CORNELIUS S. DONOGHUE, A.B., A.M., Director of Continuing Studies
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PAUL DAVIS B.S., Ed.M.
MARY T. DOLPHIN, A.B., Ed.M.
ALFRED F. EDDY, A.B., A.M.
PAUL J. EDMUNDS, A.B., A.M., Ph.D.
LEONARD F. FARREY, B.S., Ed.M.
ROBERT W. GOSS, B.S., Ed.M., Ed.D.
RUTH GRIFFITHS, B.S., A.M., Ed.D.
BERNARD GUARINI, A.B., A.M., A.M.
EDWIN R. HEDMAN, A.B., A.M. Ph.D.
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JOSEPH C. LONERGAN, B.S., Ed.M.
WILLIAM K. MASTERSON, A.B., A.M., M.S.
BERNARD L. McGOUGH, A.B., Ed. M., M.S.
MELVIN MERKEN, B.S., A.M., Ed.D.
JOHN P. MOCKLER, B.S., A.M.
RITA M. MORRIS, B.S., Ed.M., Ed.D.
KATHRYN R. O'DONNELL, B.S., A.M.
PAUL F. O'NEIL, A.B., Ed.M.
VINCENT PICCOLO, A.B., M.S.
JOSEPH W. RIORDAN, A.B., A.M., Ed.M., Ph.D.
JOSEPH P. SCANNELL, B.S., Ed.M.
JOSEPH A. SHEA, A.B., A.M., Ph.D.
WILLIAM L. SULLIVAN, A.B., Ph.D.
G. FLINT TAYLOR, A.B., Ed.M., Ph.D.
ANTHONY THURSTON, A.B., M.A.T.
ROBERT E. TODD, A.B., A.M.
FRANCIS G. WALETT, B.S., A.M., Ph.D.

GENERAL INFORMATION

The courses announced in this bulletin are offered by the Division of State Colleges in cooperation with the State College at Worcester. The Division of State Colleges reserves the right to cancel any course which does not have a minimum of 20 enrollments.

Both graduate and undergraduate courses are offered: Courses carrying undergraduate credit only are numbered in the 7 - series; courses carrying both graduate and undergraduate credit are numbered in the 8 - series; courses carrying graduate credit only are numbered in the 9 - series.

REGISTRATION

Registration should be made on May 29th through June 2nd from 8:30 to 5:00 P.M. or on the first day of Summer Session at the Worcester State College Graduate Office, Room S-112 Science-Laboratory Building.

To facilitate course selection, provisions have been made for registration in advance by mail. The registration blank found on the last page should be forwarded to the college on or after May 29th. **ALL FEES, REGISTRATION AND TUITION, MUST BE PAID AT THE TIME OF REGISTRATION. NO EXCEPTION TO THIS REGULATION WILL BE CONSIDERED.** Fees must be paid by check or money order made payable to the State College at Worcester. Cash will not be accepted. Assignment to classes which are or might be sectioned, or assignment to classes with maximum registrations, will be made in the order of completed registrations.

1. The Tuition fee for residents of Massachusetts is $18.00 per semester hour of credit; for non-residents, $25.00 per semester hour of credit for auditors, $11.00 per semester hour.
2. **LATE REGISTRATION FEE** – (Required for all, including veterans, after the first class meeting) $2.00.
3. Change of course fee - Payable for any change of registration after the first class meeting except when a course is cancelled, $2.00.
4. All students in each Semester, including veterans, must pay a $2.50 registration fee per semester when making

out the course registration forms. **UNDER NO CIRCUMSTANCES WILL ANY OF THE REGISTRATION FEES BE RETURNED.**

VETERANS

Any resident of Massachusetts who has served in any branch of the armed services for at least 90 days, one of which must have been served either between September 16, 1940, and December 31, 1946, or between June 25, 1950, and January 31, 1955, and who has a discharge other than dishonorable may enroll without charge for instruction in any course here offered within the established limitation of 120 semester hours. To establish his eligibility the veteran must present his discharge (or photostatic copy) or certificate of satisfactory service in the case of officers, together with proof of residence in advance of the opening date of class meeting.

CREDIT

Regulations and requirements for degree study may be obtained at the Office of the Director of Continuing Studies, State College at Worcester. It is urgently recommended that the guidance and advice of the Director and your faculty advisor in your Area of Concentration; wherein you must have 5 approved courses----effective September 1966, be sought and faithfully followed in planning a program of study. For teachers in service, a maximum of six semester hours of credit per semester may be credited toward a degree.

The **GRADUATE RECORD EXAMINATION, REQUIRED** for all graduate degree students, will be conducted at Worcester State College on Saturday July 8, 1967. The Bulletin of Information and Application Blanks can be secured at the Director's Office, Room S-112, Laboratory and Science Building, State College at Worcester. Registration through Educational Testing Service, Princeton, New Jersey closes two weeks prior to the test.

The degree of Master of Education is awarded at the State Colleges at Boston, Bridgewater, (including Hyannis Summer Session), Fitchburg, Framingham, North Adams, Salem, Westfield, and Worcester. Graduate courses in partial

fulfillment of the requirements for this degree may be offered from time to time in the other State Colleges and the Massachusetts College of Art.

Students must park in the Student Parking Areas behind the Science-Laboratory Building or the side and rear of the Gymnasium-Library Building.

The Comprehensive Examination will be conducted on Friday, July 21, 1967 at 2:00 P.M.

Candidates for the Secondary Workshop for Intensive Teacher Preparation should make inquiry about required credentials and interviews as soon as possible.

SCHEDULE OF CLASSES

Courses carrying undergraduate credit only are numbered in the 7 - series; courses carrying both undergraduate and graduate credit are numbered in the 8 - series; and courses carrying graduate credit only are numbered in the 9 - series. Assistance in selection and registering in all courses is available in Room S-112 Science-Laboratory Building, the W.S.C. Office. Phone: Worcester 791-1405 or 756-5121.

ALL COURSES CARRY THREE SEMESTER HOURS OF CREDIT

NO.	COURSE TITLE	INSTRUCTOR	ROOM
First period beginning at 8:30 daily			
SS8-61	Principles & Practices in Guidance	Paul J. McCarron	S-227
SS9-77	Elementary School Curriculum, Appraisal & Planning	George T. Joseph	S-212
SS9-81	Teaching Enriched Language Arts Units in Elementary Grades	Paul F. O'Neil	S-211
SS8-175	Contemporary Drama	Elizabeth R. Barlow	306
SS9-176	Selected American Novelists	William L. Sullivan	G-24

SS8-276	The Librarian in the Modern School	Vincent Piccolo	G-23
SS9-294	Recreational Leadership	John P. Mockler	G-22
SS8-476	The City: Urban Social Problems	Robert W. Goss	S-304
SS8-655	The Age of Discovery & Settlement of America	Francis G. Walett	G-26
SS8-775	Philosophical Foundations of Education, Part 1 Sec. A	William K. Masterson	S-231
SS9-777	Philosophical Foundations of Education, Part II Sec. A	Joseph W. Riordan	S-217
SS9-866	Science Demonstration Workshop	Melvin Merken	S-301
SS8-951	Human Biology for the Educator	Paul A. Holle	S-132

Second Period beginning at 9:55 A.M. daily

SS9-51	Research in Education	Alfred F. Eddy	S-217
SS9-63	Techniques in Counseling	Leonard Farrey	S-216
SS8-70	Introduction to Audio-Visual Methods & Materials	Paul Davis	110
SS8-82	Teaching Music in the Elementary Grades	Abram Kaminsky	S-123
SS9-87	Supervision in Today's Schools	Ruth Griffiths	S-226
SS9-90	School Law	Paul J. McCarron	S-227
SS9-98	School Finance: Support & Management of Public Education	Robert W. Goss	S-304
SS9-177	Historical Novel, Since Scott	William L. Sullivan	G-24
SS8-178	Short Story	Kathryn R. O'Donnell	G-23
SS8-293	Physical Education in Elementary Schools	John P. Mockler	S-128
SS8-444	Political Geography	Rita M.L. Morris	S-126

SS8-474	Community Resources for the Disadvantaged Child	Virginia Ball	G-22
SS8-551	Workshop in Modern Math for Elementary Teachers	Paul F. O'Neil	S-211
SS9-656	The United States from the Revolution to Civil War	Francis G. Walett	G-26
SS9-751	Psychological Foundations of Education, Part 1 Sec. A	Joseph C. Lonergan	S-205
SS9-957	Endemic Ecology	Anthony W. Thurston	S-132
Third Period beginning at 11:20 A.M. daily			
SS8-57	Improvement of Reading	Elizabeth R. Barlow	306
SS9-67	Practicum in Counseling	Leonard Farrey	S-216
SS9-71	Techniques & Production of Instructional Materials	Paul Davis	110
SS8-76	Human Relations in the Classroom	Ruth Griffiths	S-226
SS9-80	New Trends in Elementary Classroom Procedures	George T. Joseph	S-212
SS8-83	Teaching Science in Elementary Grades	Paul A. Holle	S-132
SS8-179	Modern Poetry	Kathryn R. O'Donnell	G-23
SS8-250	History & Literature of Music	Abram Kaminsky	S-123
SS8-261	Art for the Classroom Teacher	Mary T. Dolphin	Art Rm.
SS8-270	Reference Sources & Methods, Part 1	Bernard L. McGough	G-24
SS8-75	Curriculum Workshop for Early Childhood Education	Virginia Ball	G-22
SS9-445	Historical Geography of United States	Rita M.L. Morris	S-126

8-293 **Physical Education in Elementary Schools** 3 sem. hrs.
This course is designed to acquaint the classroom teacher with procedures in physical education in the primary, middle, and upper grades. In addition to a study of the active games in the classroom indoor, and outdoor play areas, the experienced and prospective teachers will evaluate physical fitness testing, the rules governing the sports, and the guide lines for organizing Play Day programs.
Daily at 9:55 A.M. John P. Mockler

9-294 **Recreational Leadership** 3 sem. hrs.
After a brief study of the history and basic principles of recreation, students will acquire a knowledge of the methods employed in conducting surveys and organizing both indoor and outdoor activities under the categories, generally employed, such as Adult, Industrial, and Social Recreation. Playground activities, Arts, and Crafts, Camping and the Water Sports will be evaluated.
Daily at 8:30 A.M. John P. Mockler

8-444 **Political Geography** 3 sem. hrs.
The geo-political and strategic problems of the world today are complex. Consideration will be given in this course to these problems as they relate to such world-moving and changing forces as nationalism, sovereignty, neo-imperialism, economic and political competition. Emphasis will be placed on political geography as the basis of and for international affairs.
Daily at 9:55 A.M. Rita M. L. Morris

9-445 **Historical Geography of the United States** 3 sem. hrs.
The present landscape of the United States is the result of the evolution through a series of events, both physical and human in their geographic backgrounds, which have occurred through long periods of time. In order to understand the modern landscape, it is therefore necessary to study these events of the past. The course is designed to show the relationship between the geographic developments and the history of the United States, and to ex-

COURSE DESCRIPTIONS

9-51 **Research in Education** 3 sem. hrs.

This course will stress the use of appropriate research methods in the selection and evaluation of data. It is designed to aid the graduate student in the preparation and understanding of research reports. Major areas of emphasis will include the nature of and criteria for evaluating research, library techniques and resources, selection and documentation, organization and format of a report, and necessary statistical concepts and methods of research. The student will be expected to demonstrate his knowledge of these in a term research study.

Prerequisite — A Bachelor's degree from an accredited college.

Sec. A daily at 9:55 A.M. Alfred F. Eddy

Sec. B M, T, Th, at 7:00 P.M. Walter Busam

8-57 **Improvement of Reading** 3 sem. hrs.

The course will emphasize practical classroom procedures and materials for developing and strengthening pupil competence in the basic reading skills and in reading abilities essential to effective study in the content areas. Attention will be given to extension and enrichment of pupil reading interests.

Daily at 11:20 A.M. Elizabeth R. Barlow

8-61 **Principles & Practices in Guidance** 3 sem. hrs.

This course is an introductory course designed to provide the student with an understanding of the need, meaning, and scope of guidance services. The principles and practices involved in the following guidance areas will be considered; introduction, and philosophy of guidance; understanding the individual and his needs; essential orientation activities for the student; collecting, recording, and evaluating data; interviewing and counseling; guidance through group activities; organization and evaluation of guidance. The emphasis of the course will be placed upon the role of the classroom teacher in the guidance program. Note: This course or its equivalent

is a prerequisite to advanced courses in guidance.
Daily at 8:30 A.M. Paul J. McCarron

9-63 **Techniques in Counseling** **3 sem. hrs.**
This course is intended for teachers and others interested in guidance. Principles of counseling and the application of basic and advanced techniques to the counseling process will be included. Case studies and personal, educational, and vocational problems on the elementary, secondary, and college levels in counselor-situations will be presented.
Daily at 9:55 A.M. Leonard Farrey

9-66 **Personnel & Placement Services** **3 sem. hrs.**
This is a required course for personnel workers in the public schools. This course will introduce occupational, educational, and personnel career studies for appraisal and evaluation; statistical analysis of job needs and opportunities; use and function of school and out-of-school agencies, including group and individual interviewing techniques; local, state, and federal job studies and opportunities; clinical procedures; a full review of the most important aspects of personnel work on the elementary, secondary, and college levels. Setting up and appraising personnel programs on all levels will be stressed and studied.
M, T, & Th at 7:00 P.M. G. Flint Taylor

9-67 **Practicum in Counseling** **3 sem. hrs.**
This course is designed to give advanced graduate students opportunity to put into practice the various theoretical aspects of academic counseling and guidance which they have learned in previous courses. Registration is restricted to those concentrating in Guidance who have completed 3 guidance courses including Techniques of Counseling. Students will review the major areas of counseling theory, they will be supervised while giving individual academic counseling to junior and senior high school students, finally they are aided in assessing the practice.
Daily at 11:20 A.M. Leonard Farrey

8-70 **Introduction to Audio-Visual Methods & Materials**
3 sem. hrs.

This is an introductory course for the classroom teacher in the utilization of all types of audio-visual materials for improving instruction. By means of lecture, discussion, and demonstration students will learn the criteria in selection of materials, planning for their use, evaluation, of methods, advantages and limitations of various materials, and implications of research. Each class member learns the operation of mechanical equipment as well as sources of audio-visual materials for the various curricula.

Daily at 9:55 A.M. Paul Davis

9-71 **Techniques and Production of Instructional Materials**
3 sem. hrs.

This course is designed to enrich the teacher's classroom performance by developing techniques of visual presentation of subject materials. Pictorial presentations of instructional materials through non-artistic skills will be developed. The techniques apply at all levels of instruction, but the subject matter will be related to the specific interest of each teacher. Students will be expected to provide some of the materials consumed in producing the instructional materials.

Daily at 11:20 A.M. Paul Davis

8-76 **Human Relations in the Classroom** **3 sem. hrs.**

The purpose of this course is to develop an understanding of the factors involved in interpersonal relations and to recognize their importance in facilitating growth, promoting development, and attaining more mature and adequate interaction. Teacher and child, teacher and parents, teacher and fellow teachers, teacher and administrators will provide the major areas for study. Relationships in various ethnic, economic and cultural groups will be examined. The one-to-one relationship as well as individual to group interaction in teaching and counseling will be explored through readings, case studies, tapes and films.

Daily at 11:20 A.M. Ruth Griffiths

8-75 **Curriculum for Early Childhood Education** **3 sem. hrs.**

Attention in this course will be focused on the curriculum and the daily activities designed to enable young children to use their developmental powers to the fullest. Students will consider the ways and means by which the teacher creates an environment rich in learning opportunities, geared to the age-level characteristics of young children. Registration is limited to those interested in nursery and/or Kindergarten classes.

Daily at 11:20 A.M. Virginia Ball

9-77 **Elementary School Curricul, Appraisal and Planning** **3 sem. hrs.**

The investigation of recent development in practices, materials of instruction and techniques, and unit and activity planning will be the general mood of this course. Emphasis will be placed on types of lessons, techniques of assignments and diagnostic procedures.

Daily at 8:30 A.M. George T. Joseph

9-80 **New Trends in Elementary Classroom Procedures**

The latest techniques for use in the elementary classroom will be critically evaluated through research, discussion, and workshop type of approach. Programmed learning, role playing, materials, and Educational Television techniques will be investigated.

Daily at 11:20 A.M. George T. Joseph

9-81 **Teaching Enriched Language Arts Units in Elementary Grades** **3 sem. hrs.**

Concentration will be upon those areas of the language program which call for a creative response from the pupils; namely; poetry, creative writing, reporting, and vocabulary building. Other areas would be included as the need arises. Motivation and planning using music, marionettes and puppets, tapes, and other innovative means will be demonstrated.

Daily at 8:30 A.M. Paul F. O'Neil

8-82 **Teaching Music in the Elementary Grades** **3 sem. hrs.**

The place of music in the elementary curriculum with

emphasis placed upon the child voice, selection and presentation of rote songs and understandings needed by the classroom teacher for guiding growth in rhythms, notational, and listening experiences, survey of music books and materials, recordings, and other audio-visual materials used in the elementary school music program.
Daily at 9:55 A.M. Abram Kaminsky

8-83 **Teaching Science in the Elementary Grades** **3 sem. hrs.**
This course is designed to encourage and strengthen the teaching of science in the elementary (primary and intermediate) grades. Although the several methods of teaching will be stressed, including instructor and student demonstrations and experiments, the following additional areas will be explored; objectives and place of science in the elementary curriculum; techniques of helping children learn science; organization of a science program; and such special problems as obtaining, constructing, and using materials, the selection of texts and reference books, and availability of pertinent visual aids.
Daily at 11:20 A.M. Paul A. Holle

9-87 **Supervision in Today's Schools** **3 sem. hrs.**
This course is designed as an introductory course in supervision for teachers, school administrators, and supervisors at both the elementary and secondary school levels. Significant topics included in the course are:concepts of supervision; principles of supervision; organization for supervision; group process; techniques of supervision; and the evaluation and improvement of instruction, curriculum, and the supervisory program. Opportunity will be provided for concentrated study and application of the materials of the course to elementary, secondary, or special subject work. This course, or its equivalent, is prerequisite for all advanced courses in supervision.
Daily at 9:55 A.M. Ruth Griffiths.

9-90 **School Law** **3 sem. hrs.**
This course is designed to acquaint administrators and teachers with school laws affecting public education in the United States, with particular emphasis upon the

state and community laws of Massachusetts. Attention will be given to such topics as legal status of school committees, contractual rights and obligations of teachers, the suspension and expulsion of pupils and school attendance.

Daily at 9:55 A.M. Paul J. McCarron

9-98 **School Finance: Support & Management of Public Education** **3 sem. hrs.**

This course concerns itself with the financial support and the allocation of resources in public education. Topics: Personnel salaries, capital outlay; developmental expenditures, and the budgetary process. Topics to be considered are supply and demand in educational services and educational expenditures as a part of national, state, and local income.

Daily at 9:55 A.M. Robert W. Goss

8-175 **Contemporary Drama** **3 sem. hrs.**

This course will comprise a study of the major trends in twentieth-century drama, from Ibsen to Osborne: preoccupation with problems of social significance; emergence of American influence; experimentation in form; development of realism; naturalism, romanticism and expressionism.

Daily at 8:30 A.M. Elizabeth R. Barlow

9-176 **Selected American Novelists** **3 sem. hrs.**

This course will consider selected American novelists who have concerned themselves with distinctly American themes and problems in such novels as Uncle Tom's Cabin, The Late George Apley, and The Grapes of Wrath, and others.

Daily at 8:30 A.M. William L. Sullivan

9-177 **This Historical Novel Since Scott** **3 sem. hrs.**

This course will consider the major trends in the historical novel since the nineteenth century. Selected writers and their novels will be examined.

Daily at 9:55 A.M. William L. Sullivan

8-178 **Short Story** 3 sem. hrs.

This course is designed to provide a study of the development of the short story as a literary form, and an analysis of its techniques through a study of examples from the works of world writers. Practice in interpretative analysis and critical evaluation is provided.

Daily at 9:55 A.M. Kathryn R. O'Donnell

8-179 **Modern Poetry** 3 sem. hrs.

A deepening of one's appreciation of both the structure and decoration of poetry should be the result of this penetrating study of Contemporary Poetry. Studies will be centered on recent British and American poetry with special attention being given to the works of Hopkins, Yeats, Arden, Eliot, Jeffers, and Crane. Assigned readings will supplement the lectures.

Daily at 11:20 A.M. Kathryn R. O'Donnell

8-183 **Contemporary Theatre of Ideas** 3 sem. hrs.

A study of today's serious drama and of the aesthetic and philosophical forces influencing it. Students will examine the plays and writings of Artaud, O'Neill, Williams, Miller, Anouilh, Beckett, Ionesco, Brecht and Albee.

M, T, & Th at 7:00 P.M. Robert E. Todd

8-184 **Twentieth Century Criticism** 3 sem. hrs.

The vigor and variety of modern criticism will be considered in this course, in addition to the most relevant eighteenth-and-nineteenth-century theorists who have influenced the critics and critical approaches of this century. This course will consider: Johnson, Wordsworth, Coleridge, Emerson, Poe, Whitman, Arnold, James, Pound, Eliot, Richards, Lovejoy, Babbitt, Bodkin, Ransome, Wilson, Wimsatt, Tate, Rahv, Leavis, Matthiessen, Fiedler, Trilling, Brooks, Empson, and Stevens.

M, T, & Th at 7:00 P.M. Paul J. Edmunds

8-250 **History & Literature of Music** 3 sem. hrs.

This course is designed to encourage greater enjoyment of music through understanding and discrimination. It is directed toward those who have had some or no formal

training, but who wish to broaden their background in this area. Although not a methods course, these materials should be useful professionally to both prospective and in-service teachers.

Daily at 11:20 A.M. Abram Kaminsky

8-261 **Art for the Classroom Teacher** 3 sem. hrs.

In this studio workshop students will enrich their experiences in dealing with the art materials, skills and techniques valuable to the classroom teacher. A combination lecture, informal discussion, and activity course will provide individual and group work in such areas as basic drawing, painting, lettering, and modeling. Exhibits, reproductions and slides will be used as enrichment material.

Daily at 11:20 A.M. Mary T. Dolphin

8-270 **Reference Sources & Methods, Part 1** 3 sem. hrs.

This library science course is designed to acquaint the student with the philosophy and technique of reference service. The content and use of the basic reference tools also will be covered. Students will use the college library reference problems.

Daily at 11:20 A.M. Bernard L. McGough

8-276 **The Librarian in the Modern School** 3 sem. hrs.

This course prepares the school librarian to assist the classroom teacher in assembling and introducing materials of all types now found in the modern school library for use by the pupils and teachers, both in and outside of the classroom. The principles involved in relating these resources to curriculum requirements will be applied through practice in preparing and presenting a resource unit. The course will meet the categorical requirement of "Books and Related Materials for Children and/or Young People." Prerequisites: Two years of full-time professional experience in the classroom or library. For teachers, an additional requirement of completion of the School Library Administration and Reference courses.

Daily at 8:30 A.M. Vincent Piccolo

SS8-754	Psychology of the Sub-normal & Unadjusted Child	Joseph C. Lonergan	S-205
SS8-775	Philosophical Foundations of Education, Part 1 Sec. B	William K. Masterson	S-231
SS9-777	Philosophical Foundations of Education, Part II Sec. B	Joseph W. Riordan	S-217
SS8-870	Principles of Organic Chemistry	Melvin Merken	S-301

7:00 P.M. Period, Mondays, Tuesday & Thursdays, 7:00 – 9:45 P.M.

SS9-51	Research in Education, Sec. B	Walter Busam	S-217
SS9-66	Personnel & Placement Services	G. Flint Taylor	S-225
SS8-183	Contemporary Theatre of Ideas	Robert E. Todd	S-224
SS8-184	Twentieth Century Criticism	Paul J. Edmunds	S-205
SS8-574	Calculus III	Vito D. Campo	S-123
SS8-659	The French Revolution and Napoleon	Edwin R. Hedman	S-126
SS9-751	Psychological Foundations of Education, Part 1 Sec. B	Bernard Guarini	S-228
SS9-753	Psychological Foundations of Education, Part 11	Joseph A. Shea	G-23

SS-999S	Intensive Teacher Preparation Workshop in Secondary Education	Joseph P. Scannell & Staff	Chandler Jr. H.S.

6 semester hours 8:30 A.M., - 2:30 P.M.

Prospective enrollees must supply official transcript confirming six credits in education as well as credits in their major fields. Interviews with prospective registrants by Joseph P. Scannell by appointment.

plain how past occurrences are reflected in the geography of today.

Daily at 11:20 A.M. Rita M. L. Morris

8-474 **Community Resources for the Disadvantaged Child** 3 sem. hrs.

Disadvantaged children are fundamentally the same as all children, but with special needs. One of the primary needs is the development of language skills. Students in this course will explore and evaluate the use of community resources, as effective materials to improve these skills. Through actual trips and visits to the classroom, successful techniques and procedures for utilizing first hand learning experiences will be stressed.

Daily at 9:55 A.M. Virginia Ball

8-476 **The City: Urban Social Problems** 3 sem. hrs.

A course designed to examine the history, the problems and the future of the modern American city. Special attention will be focused on the urban form - city, metropolis, and megalopolis and its relationship to the state and federal form. Financing, minority problems, and urban planning will be among topics emphasized for research.

Daily at 8:30 A.M. Robert W. Goss

8-551 **Workshop in Modern Math for Elementary Teachers** 3 sem. hrs.

The purpose of this course is to give the student a fundamental understanding of the concepts and techniques of arithmetic. Of major interest to the prospective and in-service elementary teacher, the course presents the modern approach to elementary mathematics which concerns not only "how" but also "why" certain arithmetic operations are performed. The workshop format allows for Student participation in providing manipulative and other means for making plausible basic properties of the number system.

Daily at 9:55 A.M. Paul F. O'Neil

8-574 **Calculus 111** 3 sem. hrs.

A continuation of Calculus 11, this course treats some applications of the definite integral, several topics from plane analytic geometry, hyperbolic functions, polar coordinates, vectors and parametric equations, and solid geometry and vectors.

M, T, & Th at 7:00 P.M. Vito D. Campo

8-655 **The Age of Discovery & Settlement of America** 3 sem. hrs.

This course will deal with the forces encouraging the expansion of western Europe in the 16th and 17th centuries. Political, social, economic and religious factors will be considered. Other topics to be included are the explorations and rivalries of the Portugese, Spanish, Dutch, French and English, and early settlements in the new world. Attention will be given to original source material.

Daily 8:30 A.M. Francis G. Walett

9-656 **The United States from the Revolution to Civil War** 3 sem. hrs.

Problems of the new nation, formation of the Constitution, Jeffersonian democracy, social and economic forces, the rise of Jackson, manifest destiny, sectionalism and the causes of the Civil War will be principal topics for study. Special attention will be given to new interpretations of issues and developments in this period.

Daily at 9:55 A.M. Francis G. Walett

8-659 **The French Revolution and Napoleon** 3 sem. hrs.

A pivotal period in modern European history. A study will be made of the old order in which the Revolution takes place, designed to clarify the principles and foundations of the Ancien Regime overthrown by the new forces emerging under it. The problems confronting the new constitutional government and its own internal upheavals will then be stressed. These will lead to the dictatorship of Napoleon and his reorganization of Europe.

M, T, & Th at 7:00 P.M. Edwin R. Hedman

9-751 Psychological Foundations of Education, Part 1

3 sem. hrs.

This course covers the theoretical aspects of psychology for the classroom teacher. It includes a systematic analysis of the major schools of psychology and a study of the effects of heredity and environment. Reading in the following areas will be required; results of research on growth and development, theories of intelligence, concepts in measurement and evaluation, individual differences in capacity and achievement, and learning theory.

Sec. A daily at 9:55 A.M. Joseph C. Lonergan

Sec. B M, T, & Th at 7:00 P.M. Bernard Guarini

9-753 Psychological Foundations of Education, Part 11

3 sem. hrs.

This course is an advanced systematic exposition of various psychological principles related to teaching, with a special emphasis on the application of these principles to specific classroom situations. Readings will be required in the areas of: emotional growth, mental health, motivation, discipline, dynamics of interpersonal relationships, social psychology, and adolescent psychology.

M, T, & Th at 7:00 P.M. Joseph A. Shea

8-754 Psychology of Subnormal & Unadjusted Children

3 sem. hrs.

This course deals with the psychology and treatment of children having superior or inferior intellectual ability, defective vision, hearing, speech and physical handicaps. Emphasis will be placed on the mental equipment of individual children, different degrees of retardation and their causes, and disorders of behavior which frequently are concomitant. The psychological bases of a suitable curriculum for mentally retarded children will be evaluated. This course may be taken toward State certification in a Special Class.

Daily at 11:20 A.M. Joseph C. Lonergan

8-775 Philosophical Foundations of Education, Part 1

3 sem. hrs.

This course is an historical approach to the study of

educational thought and includes an examination of primary educational concepts which have evolved through western thought to the present day. Selections from the great documents in educational thought are studied in relation to the historical period in which they were produced. The student is expected to read and analyze the original contributions of the major educational philosophers.

Sec. A daily at 8:30 A.M. William K. Masterson
Sec. B daily at 11:20 A.M. William K. Masterson

9-777 **Philosophical Foundations of Education, Part 11** 3 sem. hrs.

This course makes application of the philosophical bases of education to recurrent and contemporary educational issues and problems. Each topic is studied from the viewpoint of each of the major philosophical systems and the related educational concepts in order to determine to what extent a synthesis of viewpoint may be achieved.

Sec. A daily at 8:30 A.M. Joseph W. Riordan
Sec. B daily at 11:20 A.M. Joseph W. Riordan

9-866 **Science Demonstration Workshop** 3 sem. hrs.

In this course, teachers will be assisted in developing a store of workable demonstrations and experiments which may be applied at the elementary and secondary levels. Materials will be drawn from the physical and biological sciences, with particular emphasis on the newer curricula in these areas.

Daily at 8:30 A.M. Melvin Merken

8-870 **Principles of Organic Chemistry** 3 sem. hrs.

This course is designed for teachers of general science and biology as well as chemistry. Special emphasis will be placed upon electronic theory and molecular geometry. Standard laboratory operations and syntheses will be developed in the laboratory. A previous knowledge of general chemistry is desirable.

Daily at 11:20 A.M. Melvin Merken

8-951 **Human Biology for the Educator** **3 sem. hrs.**

This course will consider the nature and dynamics of the human organism (including the anatomy, physiology, and pathology of human organs and organ systems). It will be directed towards expanding the background of those who have had a minimum of or no formal training in the biological sciences. Certain basic questions will be posed; and by means of lectures and/or demonstrations, answers and recent interpretations to these questions will be offered.

Daily at 8:30 A.M. Paul A. Holle

9-957 **Endemic Ecology** **3 sem. hrs.**

This course will consider the interrelationships of New England flora and fauna. It will be directed towards those who wish to continue and/or concentrate in the biological sciences. Several New England field, forest, and aquatic environments will be studied in terms of present conditions, past history, and potentialities by means of lectures and laboratory exercises (including field trips, micro-and macroscopic examinations, class and individual projects and demonstrations).

Daily at 9:55 A.M. Anthony W. Thurston

REGISTRATION BLANK

Registration blanks should be forwarded on or after May 29th, accompanied by a check or money order payable to the State College at Worcester. No class places will be reserved without the accompanying registration and tuition fees.

Clip and mail to:

MR. CORNELIUS S. DONOGHUE, Director
Program of Continuing Studies
State College at Worcester
Worcester, Massachusetts 01602

or

MR. JOHN F. EAGER, Associate Director
Program of Continuing Studies
State College at Worcester
Worcester, Massachusetts 01602

COURSE **CREDITS** (check)

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